

DIGITAL VIDEO CAMERA

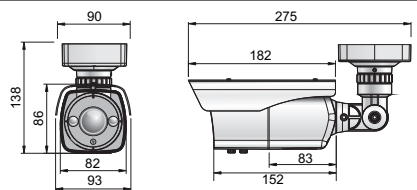
User's manual

IR Waterproof camera

2PCS dot matrix IR LEDs



Schematic Diagram



Warning & Attention



WARNING
Please don't open camera, it's with danger of electronic shock.



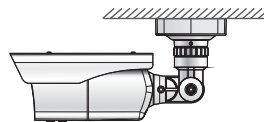
Attention:

To reduce the danger of electronic shock, please don't open the case (or back cover) of camera; everything is on the surface of camera for user's operation, please seek help from qualified professionals for repair.

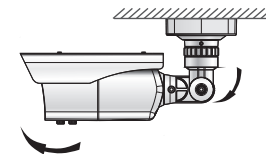
Attention items:

- Don't touch CCD or lens;
- Make camera away from violent attack;
- Don't use any unidentified power supply;
- Make camera lens away from strong light;
- Avoid installation in unstable places (shake, wet, high temperature, cold, etc);
- Avoid operation out of the following conditions, temperature: $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$, humidity: less than 90%;

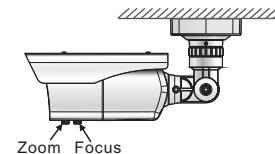
Installation



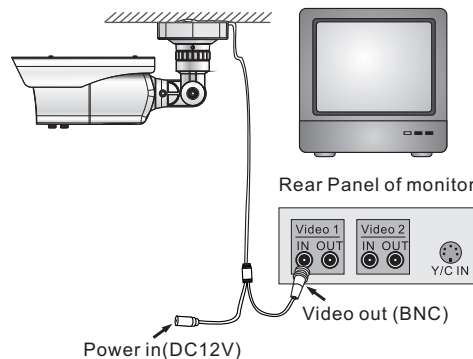
1. Fix the bracket on the wall, then fix the camera on the bracket;



2. Turn the camera to a suitable position;



3. Fasten the camera and bracket.
Note: Adjust the lens (Focus and Zoom) by the two screws on the rear panel.



4. Connect the camera to the monitor.



Attention:

- Be sure to connect power supply after all installation completed;
- Connect GND end with ground;

Specification

	Color super hi-resolution camera				Color camera		
	1/3" SONY EXVIEW CCD	1/3" SONY SUPER HAD II CCD	1/3" SONY SUPER HAD II CCD	1/4" SONY CCD			
Image Sensor	1/3" SONY EXVIEW CCD	1/3" SONY SUPER HAD II CCD	1/3" SONY SUPER HAD II CCD	1/4" SONY CCD			
Effective pixels	PAL:1020(H)X596(V) NTSC:1020(H)X508(V)	PAL:752(H)X582(V) NTSC:768(H)X494(V)	PAL:500(H)X582(V) NTSC:510(H)X492(V)				
Sensor area	4.9mmX3.7mm			3.6mmX2.7mm			
Signal system	PAL/NTSC						
Horizontal resolution	700TVL	650TVL	630TVL	600TVL	550TVL	450TVL	420TVL
Minimum illumination	0Lux(IR LED ON)						
Electronic shutter	Auto:1/50(1/60)-1/100,000Sec						
S/N ratio	>48dB						
Gamma	0.45						
Lens	4-9mm,2.8-12mm,9-22mm Optional						
Video output	1.0Vp-p,75Ω						
IR LED	2PCS dot matrix IR LED (wavelength 850nm)						
IR distance	25-30M						
Power supply	DC 12V ± 10 %						
Power consumption	less than 5.6W						
Operating temperature	$-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$						

Specifications are subject to change without notice